NEMESIS HP: 2008 EZ-Pump Guide

BEST KITEBOARDING
USER MANUAL

Thank you for purchasing a product from Best Kiteboarding, please read this and all other applicable product manuals carefully before using your new product.

WARNING

Kiteboarding/kitesurfing/snowkiting are extreme sports. They have numerous inherent risks and dangers, and pose substantial risk of cuts, scrapes, bruises, broken bones, loss of limbs, loss of vision, paralysis, and other serious, permanent and disabling injuries and death to the rider and others. Some of the sources of these risks include but are not limited to:

- Being lifted by the kite and then dropped or slammed into the ground, snow, trees, rocks, buildings, piers, jetties and/or other structures or surfaces.
- Being dropped or slammed into other people and/or property.
- Contact with kite lines under tension, and/or watercraft.
- Drowning.
- Underwater conditions and/or objects such as sharp shells, broken glass, sand bars, shoals, reefs, oyster beds, and/or concrete.
- Contact with sea life such as sting rays, sharks, sea turtles, jelly fish, etc.
- Weather conditions and/or changes in weather conditions such as increasing or decreasing wind, waves, updrafts, lightning and/or water spouts.
- Equipment performance. Kiteboarding is a new sport. Kiteboarding equipment and safety gear are NOT 100% reliable. Safety designs and features are often new and unproven. Kites may behave unfavorably and unpredictably. Lines can twist, tangle, or break, resulting in serious injury and/or loss of control of the kite.

When using this product, you are responsible for your own safety and the safety of others around you. Never use this product as a flying device. Never touch flying lines when the kite is in use.

RELEASE OF LIABILITY AND ASSUMPTION OF RISK

DO NOT USE THIS PRODUCT UNLESS YOU AGREE WITH THE FOLLOWING TERMS AND CONDITIONS:

Before using this product, the purchaser/user has carefully reviewed, understood and agrees to comply with the terms of this User Manual. Use of this product and any of its components involves certain inherent risks, dangers and hazards, which can result in serious personal injury or death. The purchaser/user of this product understands that the seller is not responsible for any damage to property or injury caused by negligent operation of this product by the purchaser/user, and the purchaser/user releases the seller from all such liability. In the event of your death or incapacity, this Agreement shall be effective and binding upon your heirs, next of kin, executors, administrators, assigns and representatives.

The purchaser/user of this product expressly assumes the risk of any and all bodily injury, death and/or liability which may result from the purchaser or user's participation in kiteboarding. The purchaser/user agrees to hold Ride Best, LLC harmless from any and all liability, and waive and release any and all claims or potential claims against Ride Best, LLC and any of its respective agents, affiliates, subsidiaries, employees, instructors, officers, directors, shareholders, suppliers and manufacturers in the event of any such bodily injury or death which may result from the purchase and/or use of Ride Best LLC (d/b/a Best Kiteboarding, LLC) products.

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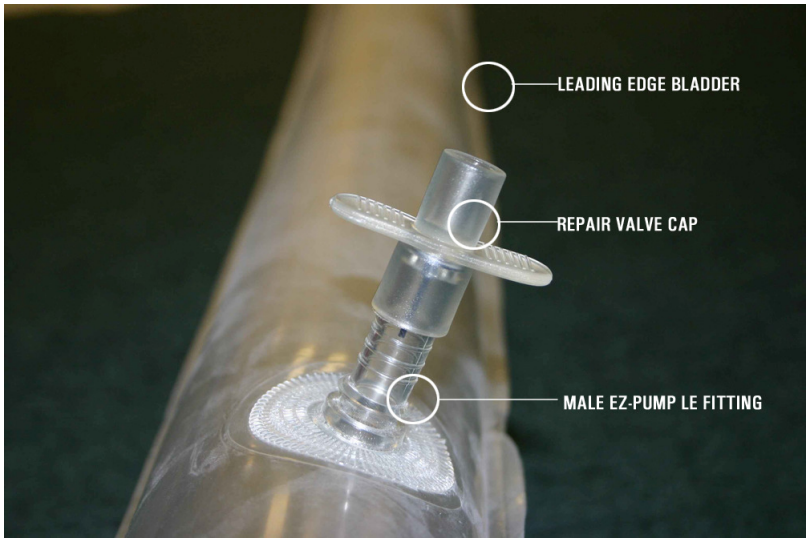
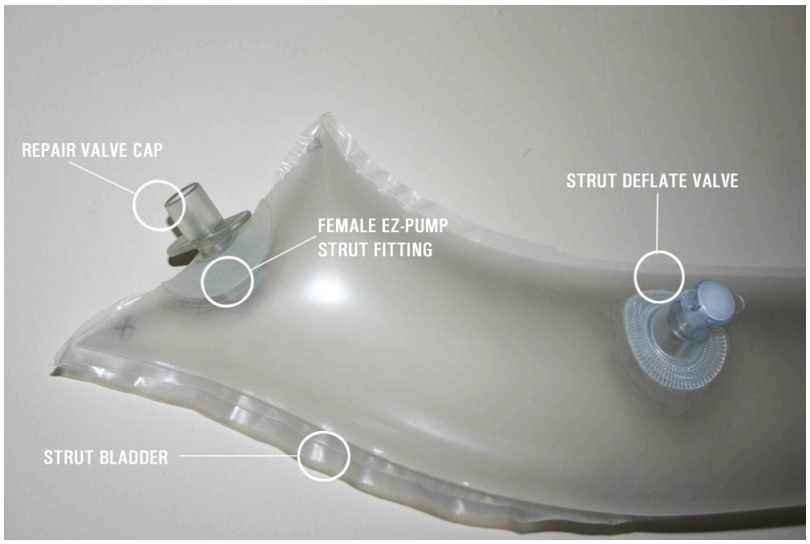
2008 EZ-Pump tm Nemesis HP: Component parts



The 2008 Nemesis HP internal EZ-Pump[tm] system is comprised on two main sections, the Leading Edge (LE) bladder parts, detailed left, and the Strut bladder fitting, detailed below.

The LE bladder parts consist of the LE bladder itself and the 'male' EZ-Pump[tm] fitting.

This short valve stub extends from the LE bladder through a retaining disc stitched into the LE fabric and into the strut casing where it meets the 'female' EZ-Pump[tm] fitting.



The Strut bladder parts are comprised of the strut bladder and the 'female' EZ-Pump[tm] strut fitting.

When correctly fitted together the 'male' and 'female' EZ-Pump[tm] fittings form an airtight seal that allows for fast and easy inflation of the entire kite through the main LE inflation valve.

The external parts of the EZ-Pump[tm] system on the 2008 Nemesis HP comprises two parts, detailed left, the LE 'inflate' valve and the high volume 'deflate' valve.

The LE inflate valve uses a ball-seal internally, the deflate valve has no additional sealing.

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2008 EZ-Pump [tm] Nemesis HP: Trouble shooting- Deflating LE only.

Deflation of the leading edge while the struts remain inflated is indicative of either and incorrectly fitted inflate or deflate valve, fouling of the deflate valve or a LE bladder puncture. ***It is impossible for there to be any issue with the internal EZ-Pump [tm] fittings on either the LE or Strut bladders if all the struts remain inflated.***

If the LE deflates but all struts stay inflated, check the following in order.

1. Check the LE Deflate valve is seated correctly, when fitted correctly the valve should look like the example on the left below, the example on the right is incorrectly fitted. When correctly fitted the top of the valve plug should be slightly concave. If you are struggling to seat the valve cap correctly wetting the valve plug can help.

2. If the deflate valve plug is already correctly seated then you could either have a fouled deflate valve of a LE puncture.

   To check for a fouled deflate valve open the valve and look inside to see if there is a build up of material or excess rubber flashing from the moulding process. Excess rubber can be safely trimmed away with a craft knife or scalpel. **Do not trim away the two sealing rings inside the valve.**

   If the inside of the valve is not fouled then you have a LE puncture, remove and repair the puncture or replace the LE bladder if the puncture is in a location that cannot adequately be repaired.

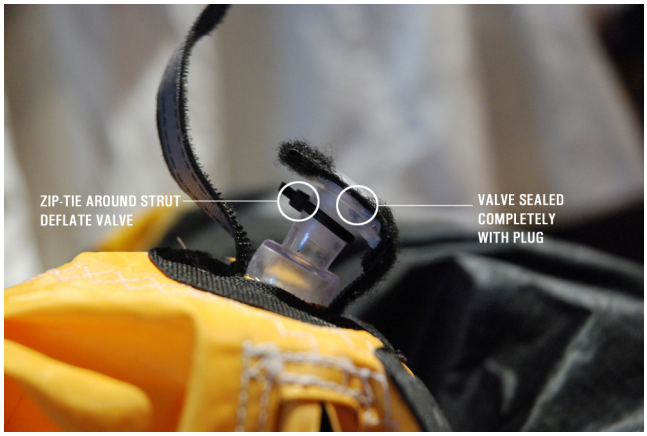
2008 EZ-Pump [tm] Nemesis HP: Trouble shooting- Deflating struts and LE

If your kite does not appear to hold adequate air pressure the procedure for checking should be as follows. **If your kite has 'membrane strut valves' skip to step 2.**

Inflate the kite fully and leave standing.

1. **If any of the struts and the LE deflates**, check the strut deflate valves. In high temperature, or if the valves have been left plugged in, the valve material may stretch slightly allowing a small amount of air to leak out. To quickly fix this simply wrap the valve stem with a zip tie and secure it down firmly with the valve cap in place.

This will fix 99% of slow deflation issues caused by stretched deflate valves.



2. **If the above procedure does not fix your deflation issue**. Open the access zip on the deflated strut, fold back the black rubber protection sheet and separate the internal valve fittings. Take a wet cloth and wipe around the 'male' fitting and the inside of the 'female' fitting to remove

any traces of salt or talc. The ingress of salt water into the valve parts due to repeated crashes can cause a build-up of salt crystals that breaks the air-seal. Carefully but forcefully reseat the 'female' EZ-Pump[tm] fitting onto the 'male' fitting. Reposition the black rubber protection sheet over the back of the zip and close the zip. Re-inflate the kite fully through the LE valve and leave to check seal integrity.

3. Should the strut and leading edge deflate again the 'female' strut fitting could have become deformed due to repeated crash impacts or incorrect rolling of the leading edge when packing the kite. You can sometimes fix this by applying a thin bead of rubber glue-solution, such as 'aqua seal', around the middle of the disassembled 'male' EZ-Pump fitting and then reassembling the valve fittings.

4. If this does not work, then you have a puncture in your strut, either, repair the puncture if possible or replace the strut bladder.

If multiple struts and the LE bladder lose air at the same time it is most likely that you have a punctured LE bladder and that the one way valves are not functioning correctly due to being fouled with salt or talc.

In this instance we recommend separating the strut fittings from the LE fitting on each strut and wiping clean both fittings. Once these have dried reassemble the fittings with a bead of rubber solution glue placed midway around the LE 'male' fitting. Partly inflate the kite and leave the glue to set before fully inflating the kite.

EZ-Pump [tm] FAQ:

How hard should I pump my kite?

We recommend 10-11-PSI for the HP. Smaller kites require slightly more inflation +.5 PSI and larger kites up to .5 PSI less. An under-inflated kite will be problematic through the flight cycle and when re-launching. Some riders have noted that topping the kite up after initial inflation when used in the snow, where the cold air temperature may lead to a decrease in internal air pressure over time, has proven to be beneficial.

Due to the hugely increased risk of impact damage when flying on land, we recommend that you do not exceed 10 PSI.

Do not store your kite with inflated struts inside a vehicle during the summer, as in-car temperatures can rise rapidly leading to a catastrophic increase in strut pressure.

We recommend that when storing the kite for any period of time, all the valve plugs be removed from the valves. Do not leave the membrane valve deflate prongs inside the valves when storing the kite, as this could rupture the membrane valves.

How do I pack my kite?

For the quickest pack down, open the strut valves and deflate the LE and struts. Fold the kite in half from wingtip to center and overlay the two halves of the kite. Roll the kite gently from wingtip to center strut along the trailing edge, do not roll it too tightly as you could stretch the internal EZ-Pump fittings. Then gently fold the kite from tip to tail into 3 using a **Z** shape, rather than rolling into a **C** shape, before placing it in the bag.

Inflation:

Best Kiteboarding kites are shipped with a hand operated pump. We selected these pumps because it is very difficult to over inflate the kite with a manual pump. Best Kiteboarding will not be responsible for any damage that occurs due to the use of a pressure hose/compressor when inflating your kite, or damage to valves from inconsiderate usage and storage.

Where do I go for extra information?

Your local Best Kiteboarding retailer has been trained in all aspects of the products they sell and can help you with any queries you may have regarding all Best Kiteboarding products. You may also contact Best Kiteboarding customer support directly via: cs-reps@bestkiteboarding.com For any general questions about using Best Kiteboarding products, or to chat with other kitesurfers and to find out all the latest info about everything Best Kiteboarding, visit the website http://www.bestkiteboarding.com or log onto the online user forums at http://forum.bestkiteboarding.com

Request for additional information and updates to the product manuals should be sent to simon@bestkiteboarding.com .